Index of Claims

| Appl | icatio | n/Con | trol No. |
|------|--------|-------|----------|

10/713,636

Examiner

JYOTHSNA A. VENKAT Ph.

Applicant(s)/Patent under Reexamination

DAVIES ET AL.

Art Unit

1615

| <b>√</b> | Rejected |
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| _ | (Through numeral)<br>Cancelled |
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|                     |          |          |          |                 |                   |          | _                  |          |                 |        | 1     |              |          |                 |              |                         |                  |              |  |  |       |            |                         |          |          |          |          |          |                     | _        |   |
|---------------------|----------|----------|----------|-----------------|-------------------|----------|--------------------|----------|-----------------|--------|-------|--------------|----------|-----------------|--------------|-------------------------|------------------|--------------|--|--|-------|------------|-------------------------|----------|----------|----------|----------|----------|---------------------|----------|---|
| Cla                 | im_      |          | ,        | Date Claim Date |                   |          |                    |          |                 |        |       | ]            | CI       | aim             |              | Date                    |                  |              |  |  |       |            |                         |          |          |          |          |          |                     |          |   |
| Final               | Original | 100      | ,<br>,   | i               |                   |          |                    |          |                 |        |       | Final        | Original |                 |              |                         |                  |              |  |  | Final | Original   |                         |          |          |          |          |          |                     |          |   |
|                     | 1        | 4        |          |                 | _                 |          |                    |          | Ш               |        |       |              | 51       |                 |              |                         |                  |              |  | ]  |       | 101        |                         |          |          |          |          |          |                     | $\neg$   | _ |
|                     | 2        |          |          |                 |                   |          |                    |          |                 |        |       |              | 52       |                 |              |                         | П                |              |  |  |       | 102        |                         |          |          |          |          |          |                     | ヿ        | _ |
|                     | 3        |          |          | $\perp$         |                   |          |                    |          |                 |        |       |              | 53       |                 |              |                         |                  |              |  |  |       | 103        |                         | П        |          |          | П        |          |                     | ヿ        | _ |
| $\sqcup$            | 4        |          |          | _               | _                 | _        |                    |          | Ш               |        |       |              | 54       |                 |              |                         |                  |              |  | ] ! ! ! !                                    |       | 104        |                         |          |          |          |          |          |                     | ヿ        |   |
|                     | 5        | Щ        |          |                 |                   |          |                    |          | Ш               |        |       |              | 55       |                 |              |                         | $\square$        |              |  |  |       | 105        |                         |          |          |          |          |          | T                   | ヿ        |   |
| $\perp \perp$       | 6        | 4        | _        | _               | _                 |          | _                  |          | Ш               |        |       |              | 56       | Ш               |              |                         |                  |              |  |  |       | 106        |                         |          |          |          |          |          |                     | $\neg$   | Т |
| $\vdash \vdash$     | 7        | 4        |          | _               | _                 | _        |                    |          | Ш               |        |       |              | 57       |                 | $\perp$      | $\perp$                 |                  |              | $\sqcup \bot$                                    | _  |       | 107        |                         |          | - }      |          |          |          |                     | $\Box$   |   |
| $\vdash$            | 8        | V        |          | _               | _                 | $\perp$  | _                  |          | Ш               | _      |       |              | 58       | Ш               | _            | _                       | $\sqcup$         |              |  |  |       | 108        | $oxed{oxed}$            | Ц        |          |          |          |          |                     |          |   |
| $\vdash$            | 9        |          |          |                 | 4                 | 4        | _                  |          |                 | _      |       |              | 59       | Ш               | $\perp$      |                         | $\sqcup$         |              | $\sqcup$   |  |       | 109        |                         |          |          |          |          |          |                     |          |   |
| <del></del>         | 10       | ¥        | $\vdash$ | $\dashv$        | -                 | 4        |                    |          | -               | _      |       |              | 60       | $\Box$          | _            | 4                       |                  |              | <u> </u>   | _  |       | 110        |                         |          | _        |          |          |          | _                   | _        |   |
| $\vdash$            | 11       | H        | _        | $\dashv$        | $\dashv$          | -        |                    | _        | $\vdash$        |        |       | <u> </u>     | 61       | $\vdash \vdash$ | 4            | $\bot$                  | 1-1              | -            | - -  |  |       | 111        | Щ                       | $\sqcup$ | _        |          | Ш        |          | $\sqcup \downarrow$ | $\dashv$ |   |
| $\vdash$            | 12<br>13 | H        |          | +               | $\dashv$          | -        |                    |          | dash            |        |       | ļ. —         | 62       | ┝┿              | 4            | +                       | $\vdash$         | +            | <del>                                     </del> | 4  |       | 112        | Щ                       | $\sqcup$ | _        |          | Ш        | Щ        | $\sqcup$            | _        |   |
| $\vdash$            | 14       | H        | $\dashv$ | -+              | $\dashv$          |          | -                  | $\dashv$ | $\dashv$        |        |       |              | 63       |                 | -            | -                       | ╀╌┼              |              | $\vdash$   | -  |       | 113        | Ш                       | _        | _        |          |          |          |                     | 4        |   |
| 1                   | 15       | H        | -        | +               | $\dashv$          |          | $\dashv$           | $\dashv$ | $\vdash \vdash$ |        |       | -            | 64<br>65 | ₩               | $\dashv$     | +                       | $\vdash$         | _            | - -  | -  |       | 114        | $\vdash$                | $\vdash$ | $\dashv$ | $\vdash$ | Ш        | Щ        | $\vdash$            |          | _ |
| -                   | 16       | ₩        | -        | +               | $\dashv$          |          | $\dashv$           | $\dashv$ | $\vdash \vdash$ |        |       |              | 66       | $\vdash$        | +            | +                       | $\vdash$         | +-           | -  | -  |       | 115        | $\vdash$                | $\vdash$ | -        | _        | $\vdash$ |          | $\vdash$            | $\dashv$ | _ |
| <del>   </del>      | 17       | -        | $\dashv$ | $\dashv$        | $\dashv$          | $\dashv$ | $\dashv$           | ⊣        | $\vdash \vdash$ |        |       | <u> </u>     | 67       | $\vdash$        | +            | ╁                       | 1 1              | +            |  | -  |       | 116<br>117 | $\vdash$                | -        | $\dashv$ |          | $\vdash$ | $\vdash$ | $\vdash$            | $\dashv$ | _ |
| $\vdash$            | 18       | $\dashv$ | $\dashv$ | $\dashv$        | $\dashv$          | $\dashv$ | $\dashv$           | -        | $\vdash$        | _      |       | <del> </del> | 68       | H               | +            | +                       | +                |              | $\vdash\vdash$                                   | ╢╢   |       | 118        | Н                       | $\vdash$ | -        | -        | Н        | Н        | $\vdash$            | $\dashv$ | _ |
|                     | 19       |          | -        | $\dashv$        | -                 | $\dashv$ |                    | $\dashv$ | $\dashv$        |        |       | -            | 69       | $\vdash$        | +            | +                       | ╅                | <del> </del> | <del>                                     </del> | -{::::::                                     |       | 119        | -                       | $\vdash$ |          | -        |          |          |                     | $\dashv$ |   |
|                     | 20       | $\neg$   |          | +               | 十                 | $\dashv$ | $\dashv$           | _        | $\dashv$        | _      |       | $\vdash$     | 70       | H               | +            | +                       | ++               |              | <del></del>                                      | 1  |       | 120        | Н                       | $\vdash$ | -        | -        | $\vdash$ | -        | $\dashv$            | $\dashv$ | _ |
|                     | 21       |          |          | 寸               | 寸                 | $\neg$   | $\dashv$           | $\dashv$ | T               |        |       |              | 71       | $\vdash$        |              | +                       | + +              | -            | H  | 1  |       | 121        | Н                       | $\vdash$ | $\dashv$ |          | $\vdash$ | $\vdash$ | $\dashv$            | $\dashv$ | _ |
|                     | 22       | $\neg$   |          |                 |                   | $\neg$   | $\neg$             |          | $\dashv$        |        |       |              | 72       | $\vdash$        | $\dashv$     | o                       | $\Box$           | _            | h  | 1  |       | 122        | Н                       | -        | _        |          |          |          | $\dashv$            | $\dashv$ | _ |
|                     | 23       |          | T        | 7               |                   | 寸        |                    | ╗        | $\Box$          | _      |       |              | 73       | $\top$          | 十            | 十                       | 1 1              | $\top$       | Τİ   | 1 1  |       | 123        | Н                       | $\dashv$ |          |          | $\vdash$ | $\vdash$ | -                   | $\dashv$ | _ |
|                     | 24       |          |          | $\Box$          |                   |          | Ī                  | $\neg$   |                 |        |       |              | 74       | $\Box$          | T            |                         |                  |              |  |  | -     | 124        | Н                       | $\dashv$ | 一        |          |          |          | $\dashv$            | $\dashv$ |   |
|                     | 25       |          |          |                 |                   |          |                    |          |                 |        |       |              | 75       |                 | T            |                         | 1 1              |              |  | 1  |       | 125        |                         |          | 一        |          |          |          | $\neg$              | 寸        | _ |
|                     | 26       |          |          |                 |                   |          |                    | $\Box$   |                 |        |       |              | 76       |                 | $\Box$       |                         |                  |              |  | ](   |       | 126        |                         |          |          |          |          |          | $\dashv$            | ヿ        | _ |
| $\sqcup$            | 27       |          | $\Box$   | $\perp$         | $\perp$           | _        |                    |          |                 |        |       |              | 77       |                 | $\Box$       |                         |                  |              |  | ][   |       | 127        |                         |          |          |          |          |          | T                   | T        | _ |
| $\sqcup$            | 28       | $\Box$   | _        | $\perp$         | _                 | $\dashv$ | _                  | $\Box$   | Ц               |        |       |              | 78       |                 |              |                         | Ш                |              |  |  |       | 128        |                         |          |          |          |          |          |                     | $\Box$   |   |
| $\vdash \downarrow$ | 29       | _        | _        | 4               | _                 | _        |                    |          |                 |        |       |              | 79       | _               | _ _          |                         |                  |              |  |  |       | 129        |                         |          |          |          |          |          |                     | $\Box$   |   |
|                     | 30       |          | _        | _               | $\dashv$          | _        | _                  | _        |                 | _      |       | $\Box$       | 80       | $\Box$          | 4            |                         |                  | _ _          |  | <u>  </u>                                    |       | 130        | Ш                       |          | $\Box$   |          |          | _        |                     |          |   |
|                     | 31       | 4        |          | -               | $\dashv$          | $\dashv$ |                    | _        | _               |        |       |              | 81       |                 | 4            | _                       | $\sqcup$         |              |  |  |       | 131        | Щ                       | _        |          | _        |          |          | _                   | _        |   |
|                     | 32       |          |          | +               |                   |          | $\dashv$           | -        | 4               |        |       |              | 82       | -               | +            | -                       | $\vdash$         |              |  |  |       | 132        |                         | 4        |          |          |          |          | _                   | $\dashv$ |   |
|                     | 33<br>34 |          |          | +               | -+                | $\dashv$ | $\dashv$           | -        | 4               |        |       |              | 83       | $\dashv$        | +            | +                       | 1                |              | Н-   |  |       | 133        | $\mid \rightarrow \mid$ | $\dashv$ | _        |          |          | _        | _                   | 4        |   |
|                     | 35       | -        | $\dashv$ | +               | +                 | $\dashv$ | $\dashv$           |          | +               |        |       | <b></b>      | 84<br>85 | -+              | +            | +                       | ╂╌┼              |              | $\vdash \vdash$                                  |  |       | 134        | $\vdash \dashv$         | $\dashv$ | -        |          |          | $\dashv$ |                     | $\dashv$ | _ |
|                     | 36       | -        | $\dashv$ | +               | +                 | $\dashv$ | $\dashv$           | -+       | $\dashv$        | _      |       |              | 86       | $\dashv$        | +            | ╁                       | ╁┼               |              | $\vdash \vdash$                                  |  |       | 135<br>136 | $\vdash \dashv$         | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | -                   | $\dashv$ | _ |
|                     | 37       | ᅱ        | $\dashv$ | $\dashv$        | $\dashv$          | $\dashv$ | $\dashv$           | $\dashv$ | $\dashv$        | _      |       |              | 87       | $\dashv$        | +            | +                       | ╁┼               | +            | $\vdash$   | <b>                                     </b> |       | 137        | $\vdash$                | -+       | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$            | $\dashv$ | _ |
|                     | 38       | $\dashv$ | $\dashv$ | +               | $\dashv$          | $\dashv$ | $\dashv$           | +        | $\dashv$        |        |       |              | 88       | $\dashv$        | +            | ╁                       | $\vdash$         |              | $\vdash$   | 1  |       | 138        | $\vdash$                | -        | $\dashv$ |          | $\dashv$ | -        | $\dashv$            | +        | _ |
|                     | 39       | $\dashv$ | _        | $\dashv$        | $\dashv$          | $\dashv$ | -                  | +        | $\dashv$        | $\neg$ |       |              | 89       | $\dashv$        | +            | +                       | <del>   </del>   |              | <del>                                     </del> | 1  |       | 139        | $\dashv$                |          | $\dashv$ | $\dashv$ |          |          | $\dashv$            | +        |   |
|                     | 40       | ┪        | 7        | $\dashv$        | 十                 | 一        | 1                  | $\dashv$ | $\dashv$        | _      |       |              | 90       | $\dashv$        | +            | +-                      | ++               | +            | $\vdash$   | 1  | -     | 140        | $\dashv$                | $\dashv$ | +        | $\dashv$ | $\dashv$ |          | $\dashv$            | +        | _ |
|                     | 41       | 1        | 寸        |                 | 1                 | $\dashv$ | $\dashv$           | 7        | 7               |        |       |              | 91       | _               | +            | +                       |                  | 1-           | $\vdash$   | 1  |       | 141        | $\dashv$                | $\dashv$ | +        | $\dashv$ | -        | -        | $\dashv$            | +        | _ |
|                     | 42       |          |          |                 | 寸                 | $\neg$   | 7                  | _        | 寸               | T      |       |              | 92       | $\dashv$        | $\top$       | †                       | $\sqcap$         | +-           | $\dashv$   | 1  |       | 142        | $\dashv$                | $\dashv$ | $\dashv$ | $\dashv$ | -        |          | $\dashv$            | +        |   |
|                     | 43       |          | 丁        |                 |                   |          |                    |          |                 |        |       |              | 93       | $\dashv$        | 1            | $\top$                  | $\sqcap$         |              |  | 1  | 1     | 143        | $\exists$               | +        | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$            | +        | _ |
|                     | 44       |          |          |                 |                   |          |                    | コ        |                 |        |       |              | 94       | $\Box$          |              | T                       |                  |              |  | 1 1  |       | 144        | $\Box$                  | $\dashv$ | 7        | $\dashv$ | _        | 一        | $\dashv$            | $\dashv$ | _ |
|                     | 45       | Д        | $\Box$   |                 |                   |          | $\Box$             |          |                 |        |       |              | 95       |                 |              | I                       | $\Box$           |              |  |  |       | 145        |                         | 一        | $\dashv$ | $\dashv$ | 寸        |          |                     | $\dashv$ | _ |
|                     | 46       | $\Box$   | $\Box$   | $\prod$         | $oldsymbol{\bot}$ |          | $\Box$             | J        |                 |        |       |              | 96       |                 |              | Ι                       | $\Box$ $\dagger$ |              |  | 1  |       | 146        | $\neg$                  | 寸        |          |          | 一        |          | $\neg$              | $\dashv$ | _ |
|                     | 47       | _[       | [        | $\perp$         | _[                | $\bot$   | $oldsymbol{\perp}$ | 丁        | ⅃               |        |       |              | 97       | $\Box$          | $oxed{oxed}$ | $oldsymbol{\mathbb{L}}$ |                  |              |  | ]  |       | 147        |                         |          |          | _        | コ        |          |                     | 寸        | _ |
|                     | 48       | _ļ       |          | $\perp$         | $\perp$           |          | _                  | $\perp$  |                 |        |       | ]            | 98       | $\perp \Gamma$  |              | $\perp$                 |                  |              |  |  |       | 148        |                         |          |          | コ        |          |          |                     |          | _ |
| <del>   </del>      | 49       | _        | $\dashv$ | _               | 4                 | 4        | 4                  |          | _               |        |       |              | 99       | $\perp$         | _            | $\bot$                  | Ц                | $\Box$       |  |  |       | 149        |                         | $\Box$   | $\Box$   | $\Box$   |          | $\Box$   | $\Box$              | I        |   |
| LI.                 | 50       |          |          | ĿĹ              |                   |          |                    |          |                 |        | ::::[ | 1            | 100      |                 |              |                         | 1                |              |  | [:::::f                                      | I     | 150        |                         | T        | T        |          | T        |          | Т                   | T        |   |